From: Waterhouse, Carlton [Waterhouse.Carlton@epa.gov]
Sent: 8/4/2021 8:57:04 PM
To: Walker, Stuart [Walker.Stuart@epa.gov]; Breen, Barry [Breen.Barry@epa.gov]
CC: Goldberg, Ruby [Goldberg.Ruby@epa.gov]; Hilosky, Nick [Hilosky.Nick@epa.gov]
Subject: RE: cheat sheet for Oak Ridge risk based discharge limits

Thank you Stuart. This is very helpful!

Carlton Waterhouse, J.D., Ph.D.
Deputy Assistant Administrator
Office of Land and Emergency Management
United States Environmental Protection Agency
Waterhouse.carlton@epa.gov

From: Walker, Stuart <Walker.Stuart@epa.gov>
Sent: Wednesday, August 4, 2021 12:21 PM
To: Waterhouse, Carlton <Waterhouse.Carlton@epa.gov>; Breen, Barry <Breen.Barry@epa.gov>
Cc: Goldberg, Ruby <Goldberg.Ruby@epa.gov>; Hilosky, Nick <Hilosky.Nick@epa.gov>
Subject: cheat sheet for Oak Ridge risk based discharge limits
Importance: High

Hello Carlton and Barry,

Per your request from our discussion on July 30, I am attaching a cheat sheet on the Oak Ridge risk assessment regarding discharge limits into Bear Creek. I have broken the cheat sheet into 2 parts:

1. **Issues with DOE Discharge Limits in 2021 FS Appendix K** – explains how DOE came up with proposed discharge limits in the Focused FS and why their approach is incorrect for complying with the Clean Water Act's Water Quality-Based Effluent Levels (WQBELs) as an ARAR at Bear Creek.
2. **Instructions for DOE** – provides an explanation on how DOE should develop WBELs and discharge limits for Bear Creek.
    a. **Approach** - Describes the general procedure DOE should be taking.
    b. **Methods** – Describes the input parameters DOE should be using when running the EPA PRG calculator when developing WBELs.
    c. **Results** – Provides a table of WQBEL and discharge limits I developed using the CWA methodology with the EPA PRG calculator. The table assumes that DOE does not conduct a fish consumption study to support revising the default fish consumption rate with site-specific information.

Please let me know if you have any comments or questions.